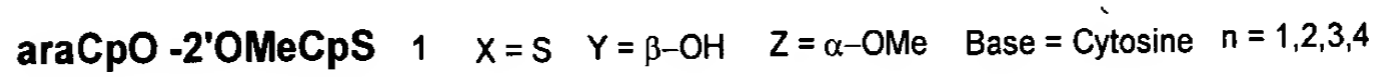


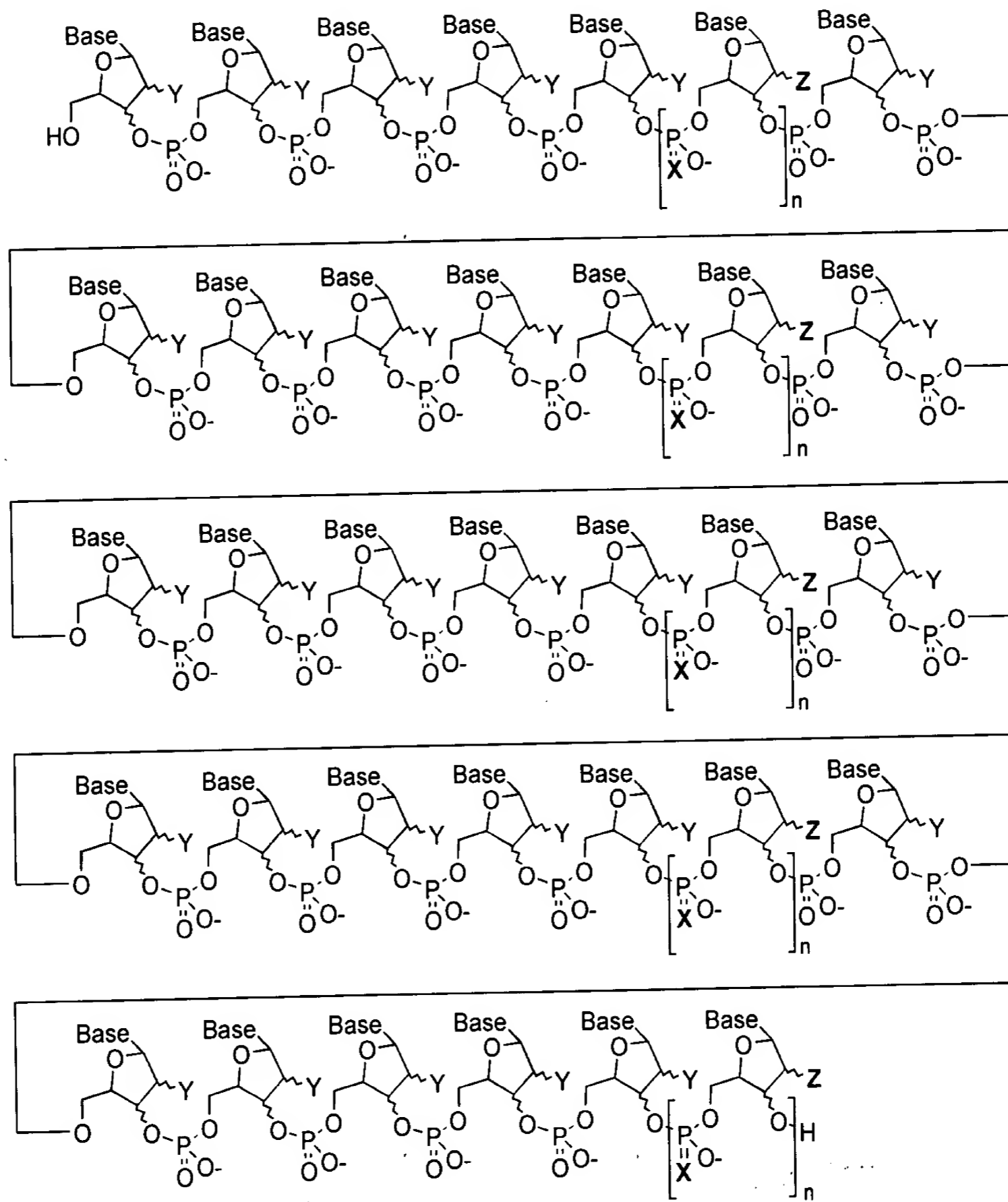
**SECRET**



**araCpO -2'OMeCpS** 1    X = S    Y =  $\beta$ -OH    Z =  $\alpha$ -OMe    Base = Cytosine    n = 1,2,3,4

10600-406650

FIGURE 2



araCpO-2'OMeCpO 2 X = O Y =  $\beta$ -OH Z =  $\alpha$ -OMe Base = Cytosine n = 1,2,3,4

# SECRET

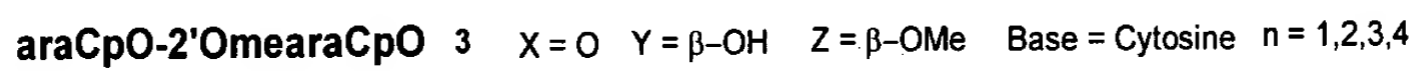
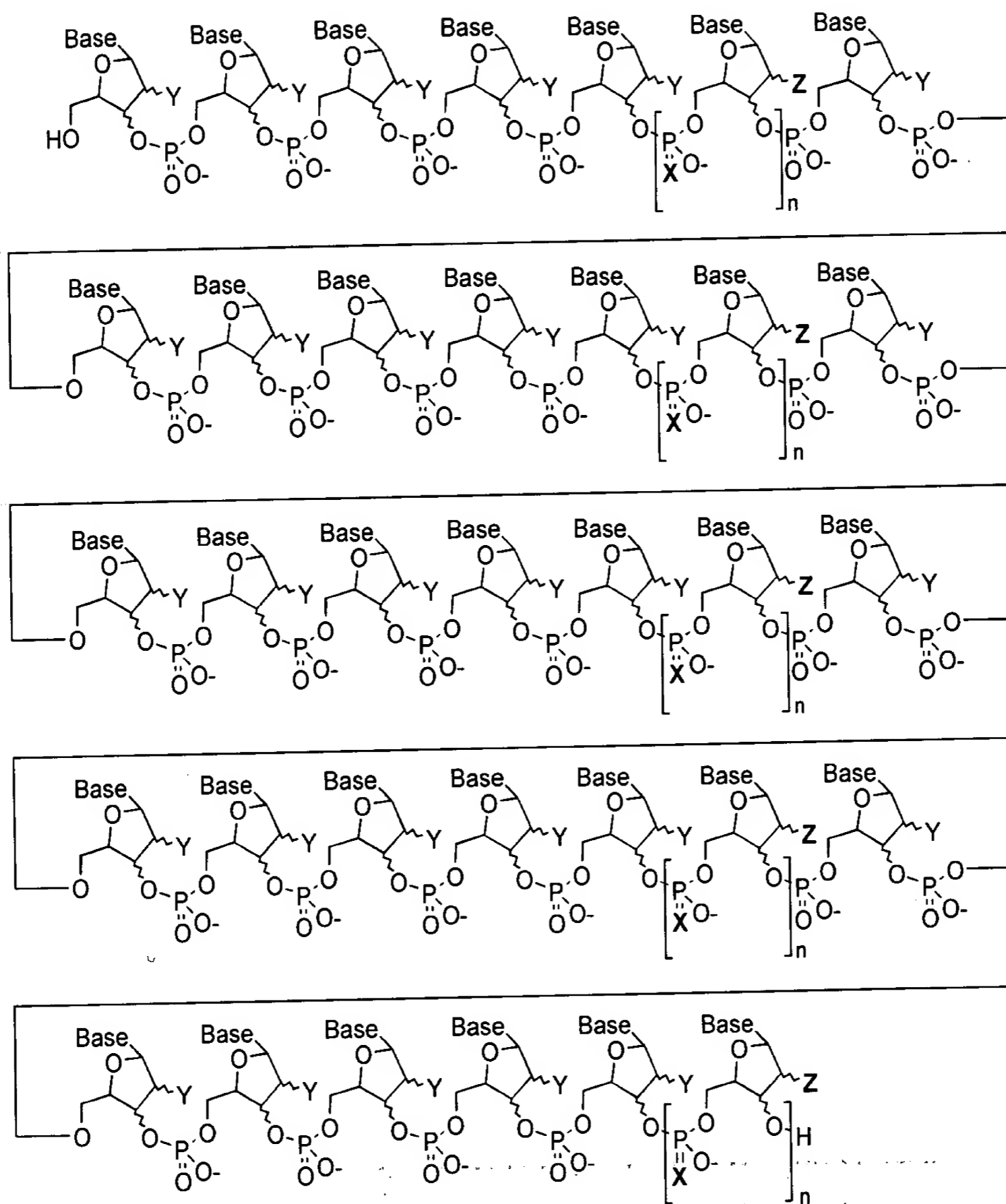
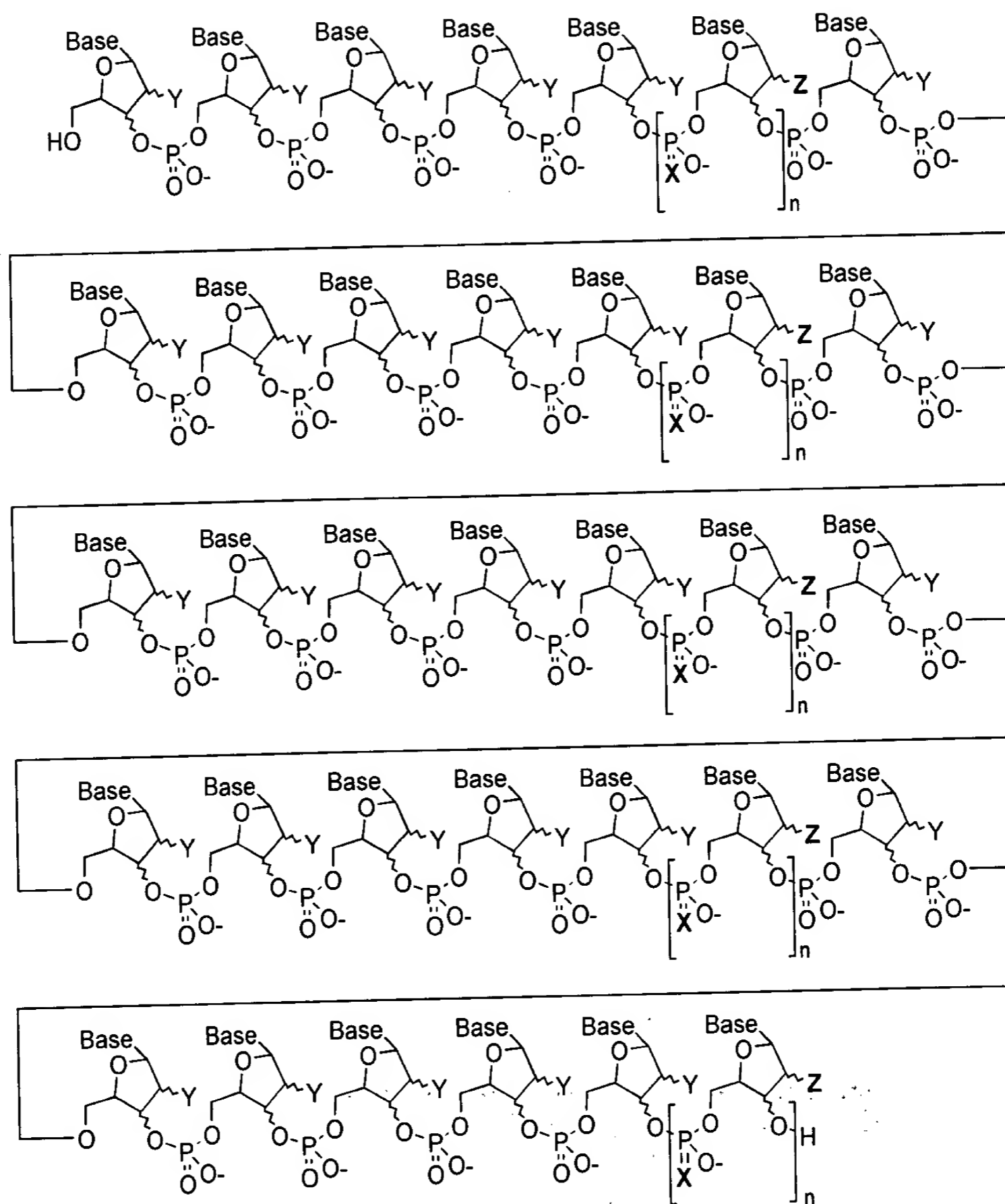


FIGURE 4



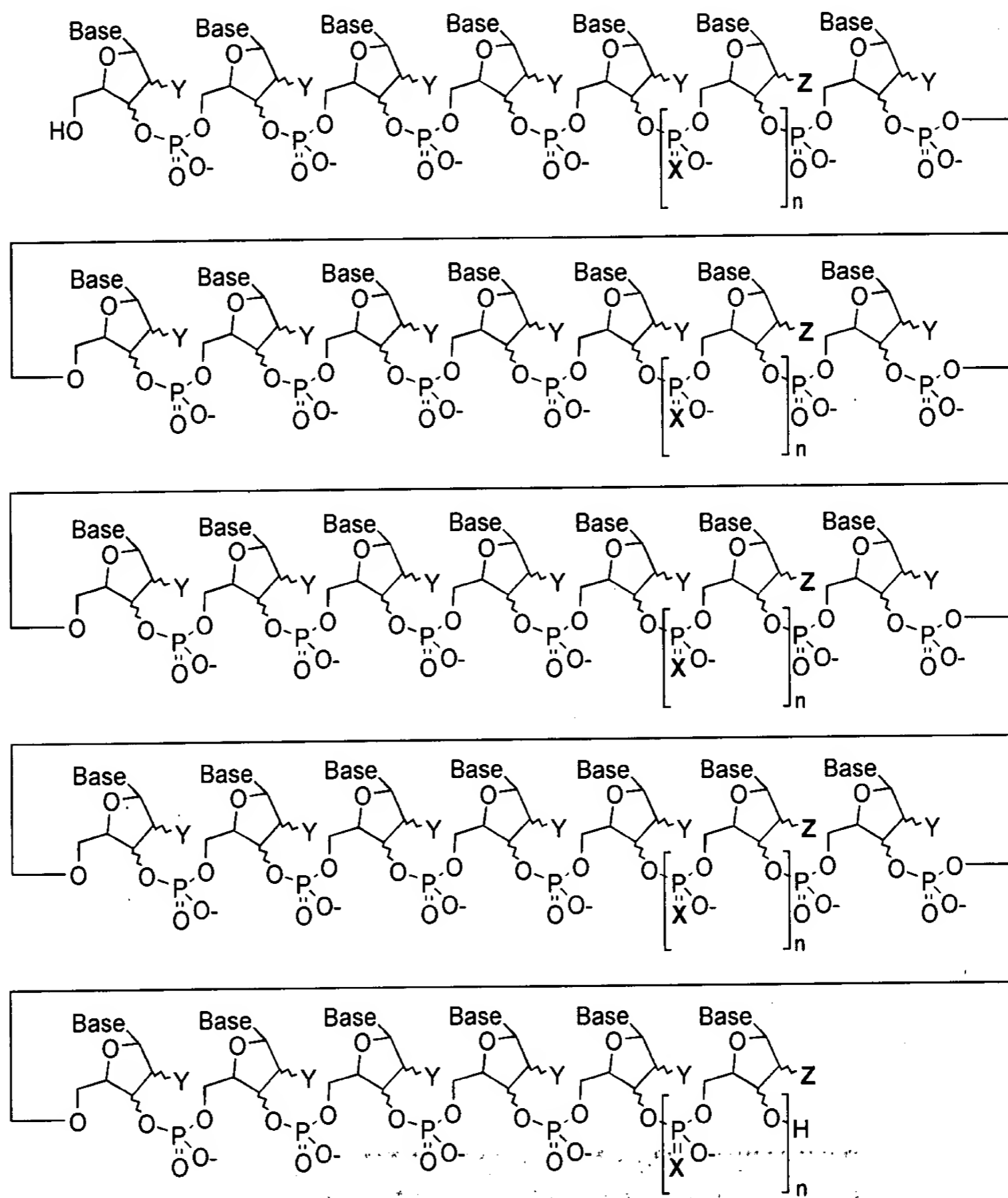
2CldApO-2CldApS 4 X = S Y = H Z = H Base = 2-Cl-Adenine n = 1,2,3,4

FIGURE 5



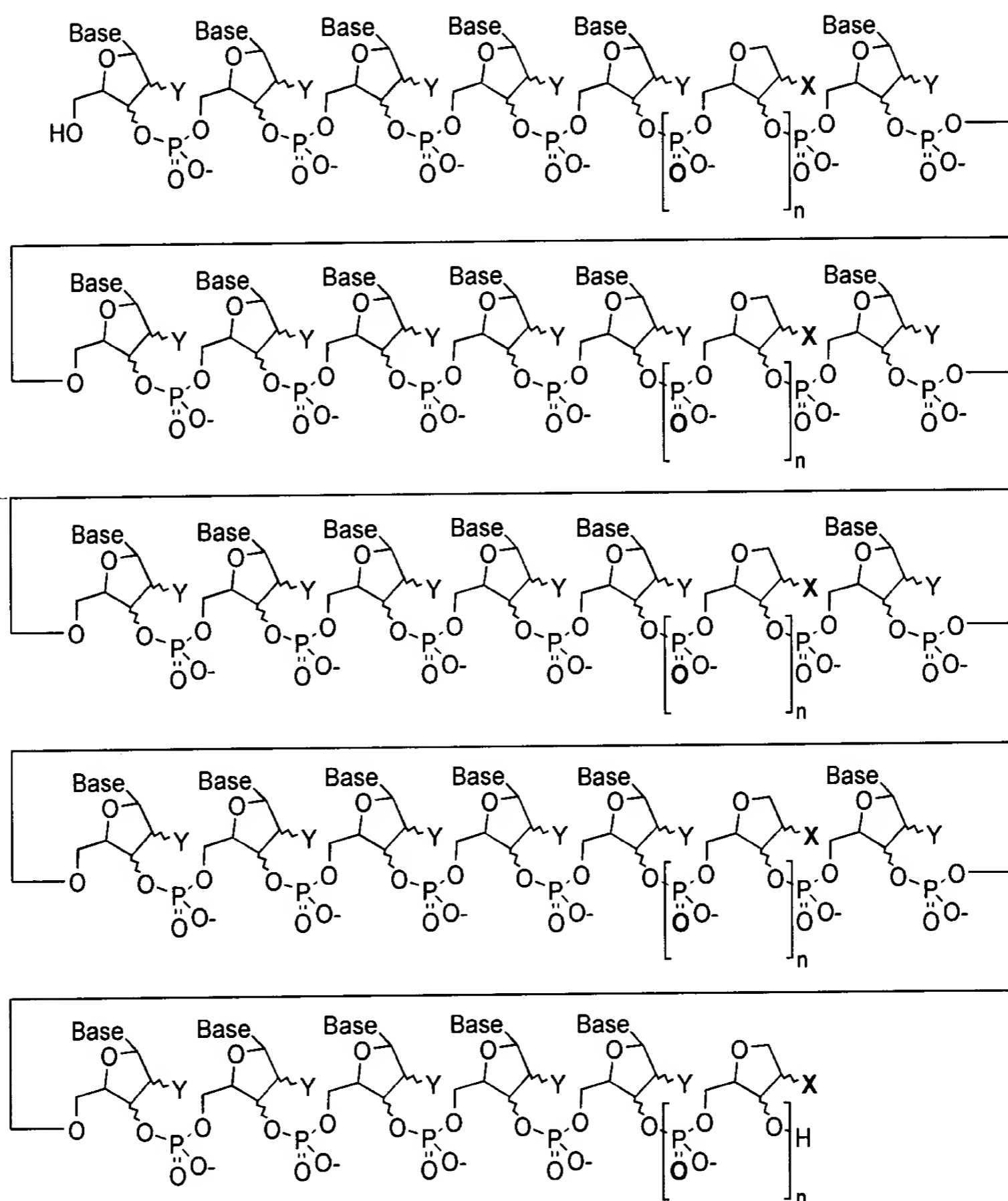
2FaraApO-2FaraApS 5  $X = S$   $Y = \beta\text{-OH}$   $Z = \beta\text{-OH}$  Base = 2-F-Adenine  $n = 1, 2, 3, 4$

FIGURE 6



5FdUpO-5FdUpS 6 X = S Y = H Z = H Base = 5-Fluorouracil n = 1,2,3,4

FIGURE 7

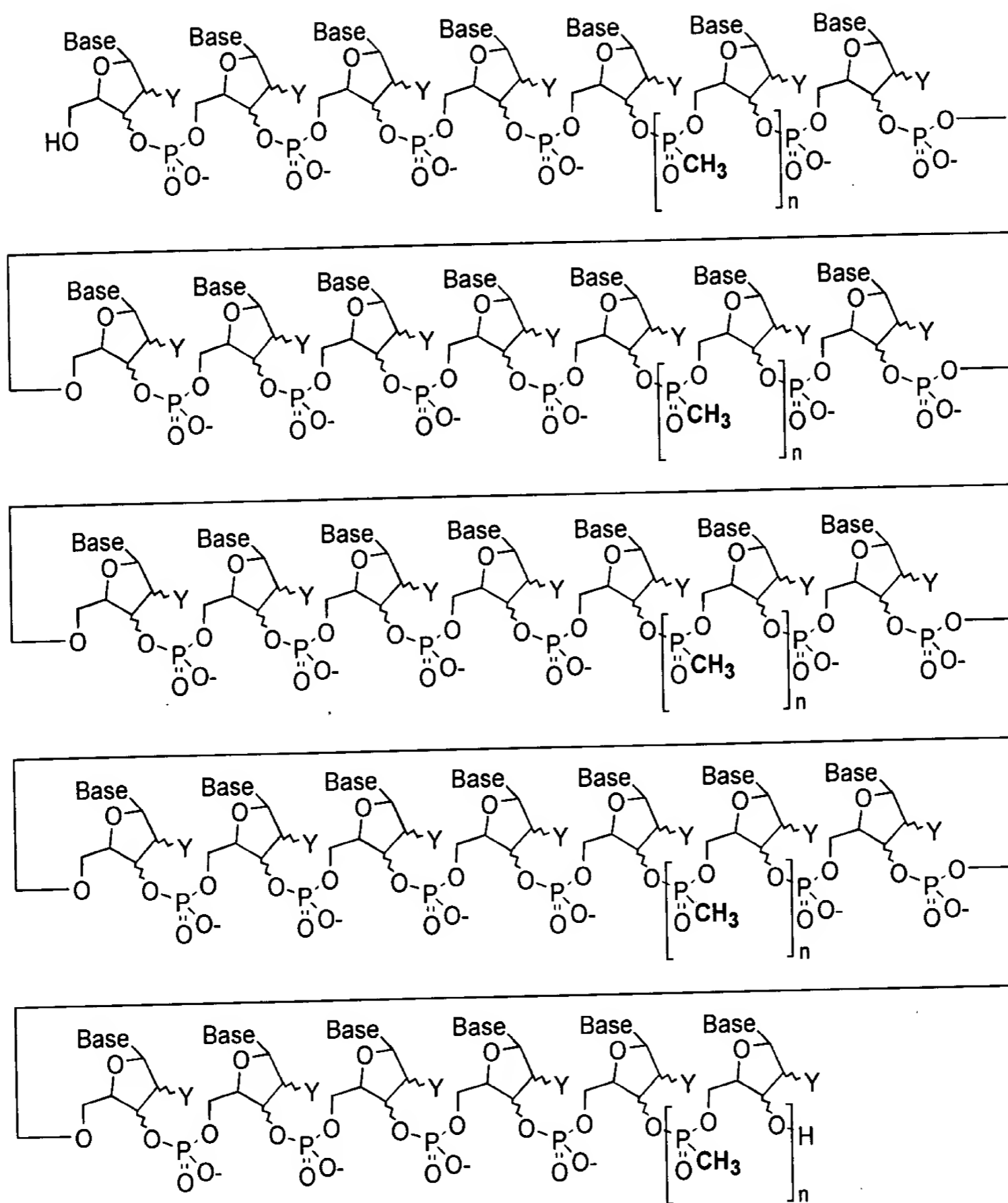


Abasic

- |    |                  |                 |                            |             |
|----|------------------|-----------------|----------------------------|-------------|
| 7  | X = $\alpha$ -OR | Y = H           | Base = 5-Fluorouracil etc. | n = 1,2,3,4 |
| 8  | X = $\alpha$ -OR | Y = $\beta$ -OH | Base = Cytosine            | n = 1,2,3,4 |
| 9  | X = $\alpha$ -OR | Y = $\beta$ -OH | Base = 2-F-Adenine         | n = 1,2,3,4 |
| 10 | X = $\alpha$ -OR | Y = H           | Base = 2-Cl-Adenine        | n = 1,2,3,4 |

R = Me, Et, iPr, allyl, alkyls (C<sub>2-35</sub>) containing one or more O, N, S atom, methoxyethyl, dimethylaminoethyl,

FIGURE 8



**Methylphosphonate**

- |    |          |                            |             |
|----|----------|----------------------------|-------------|
| 11 | Y = H    | Base = 5-Fluorouracil etc. | n = 1,2,3,4 |
| 12 | Y = β-OH | Base = Cytosine            | n = 1,2,3,4 |
| 13 | Y = β-OH | Base = 2-F-Adenine         | n = 1,2,3,4 |
| 14 | Y = H    | Base = 2-Cl-Adenine        | n = 1,2,3,4 |

FIGURE 9

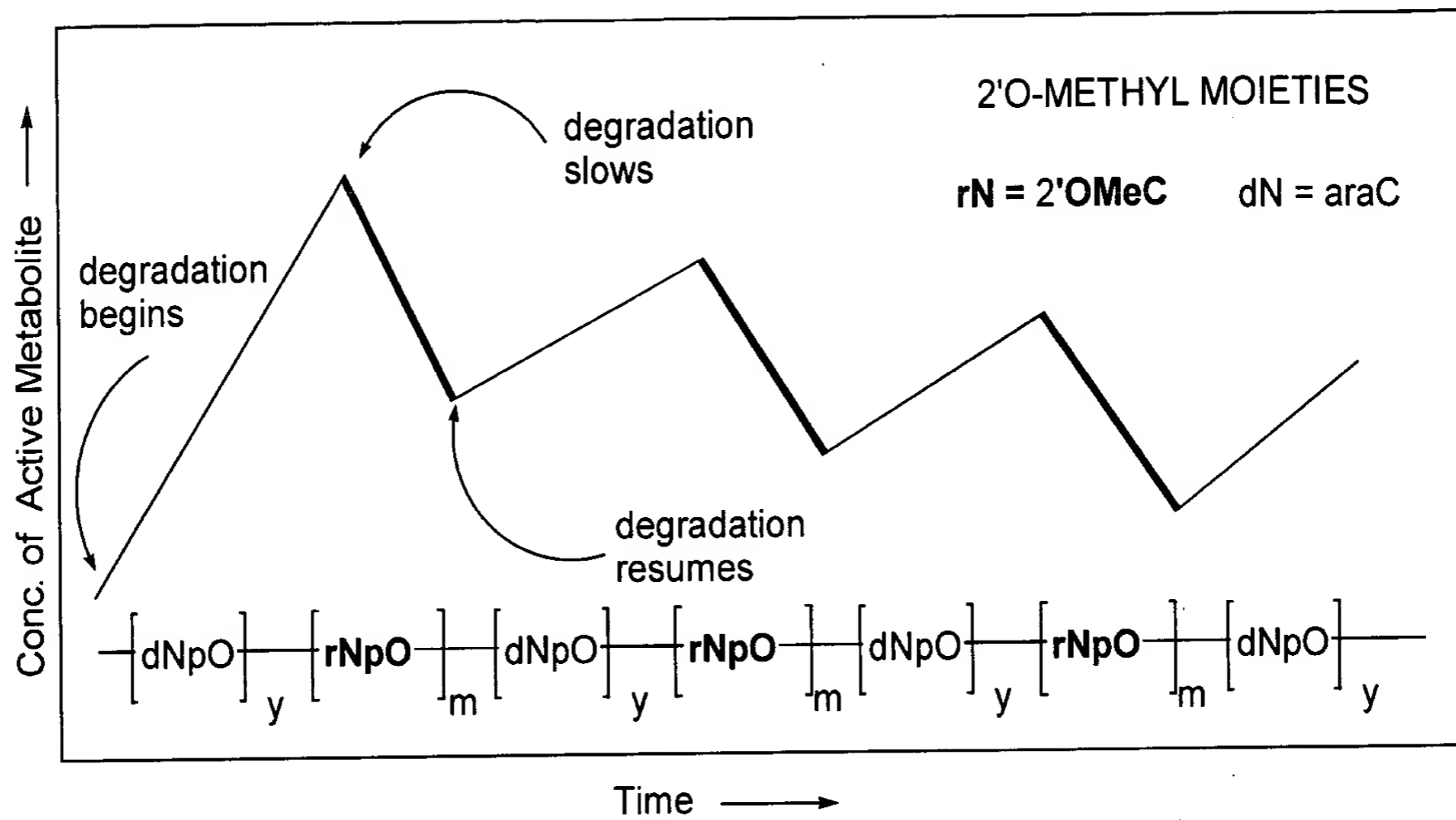
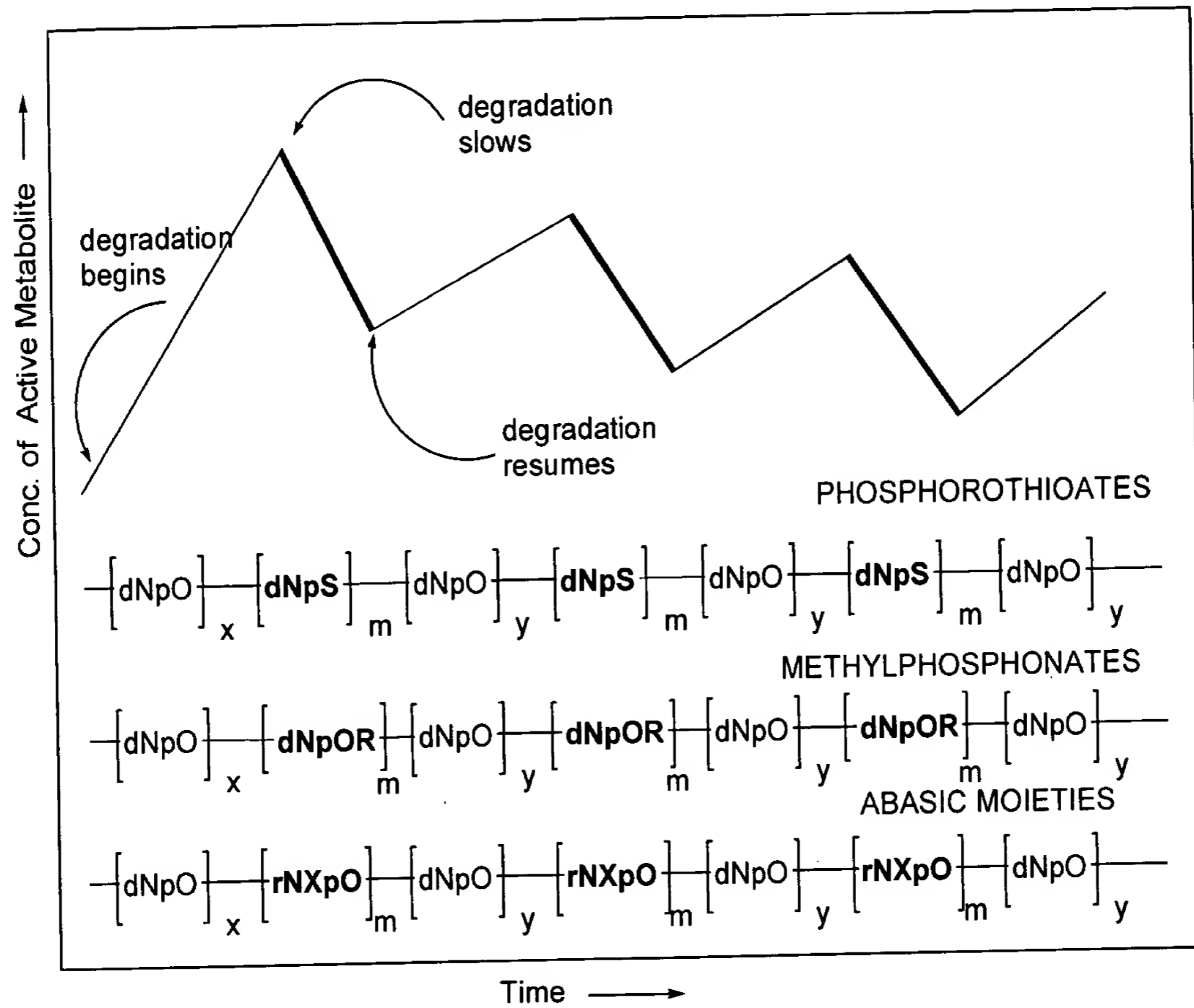
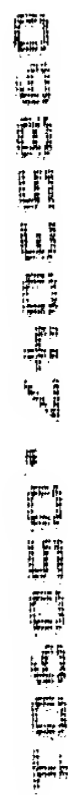


FIGURE 10

7.35093" X 4.06650



This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf from an old book. The paper has a slightly textured appearance with some minor discoloration and faint smudges, characteristic of old paper. Two dark, circular holes are visible near the bottom center, suggesting the page was once part of a bound volume. The page is framed by dark borders on the left and right sides.



Base<sub>2</sub> = cytosine, adenine, 2,6-diaminopurine, guanine, uridine etc